

**ABSTRACT OF THE DISCLOSURE**

5 A technique is provided for improving the efficiency of an imaging system. Generally, a digital detector has an array of rows and columns of pixels, read out electronics and scan electronics that are configured to generate and transmit signals based upon radiation impacting the detector. The detector is placed within a housing, which is then transferred to the location of use. The present technique provides a mechanism for protecting the housing and the detector from corruptive elements such as moisture. Particularly, the present technique involves the sealing of the detector after manufacture and sealing of the  
10 housing after assembly.